<table>
<thead>
<tr>
<th>Natural Resources Core Requirements (Complete one course from each category)</th>
<th>OSU Course</th>
<th>Tillamook Bay CC Course</th>
</tr>
</thead>
</table>
| Animal ID | FW 312. Systematics of Birds  
FW 316. Systematics of Fishes  
FW 318. Systematics of Mammals  
Z 477. Aquatic Entomology | Available Online  
Available Online  
Available Online  
Available Online |
| Atmospheric Science | ATS 201. *Climate Science  
ATS 320. *The Changing Climate  
GEO 323. *Climatology  
SUS 103. *Introduction to Climate Change | Available Online  
Available Online  
Available Online  
Available Online |
| Biology I | BI 204* (or BI 101 or BI 211) | BI 211 |
| Biology II | BI 205* (or BI 102 or BI 212) | BI 212 |
| Biology III | BI 206* (or BI 103 or BI 213) | BI 213 |
| Chemistry | CH 121 or CH 231* and CH 261* | CH 104 or CH 221 |
| Communications | COMM 321. Introduction to Communication Theory  
COMM 322. Small Group Problem Solving  
COMM 328. Nonverbal Communication  
COMM 385. Communication and Culture in Cyberspace  
COMM 440. Theories of Conflict and Conflict Management  
COMM 442. Bargaining and Negotiation Processes  
FES 485. *Consensus and Natural Resources  
FES 493. Environmental Interpretation  
NR 312. Critical Thinking for Natural Resource Challenges | Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
| Earth Science | GEO 101. *The Solid Earth  
GEO 102. *The Surface of the Earth  
GEO 201. *Physical Geology  
GEO 202. *Earth Systems Science  
GEO 221. *Environmental Geology | GS 106  
G 201  
G 202 |
| Environmental Assessment and Planning | FES 456. Planning for Sustainable Recreation  
FES 457. Planning for Sustainable Tourism  
FES 485. *Consensus and Natural Resources  
FES/FW 445. Ecological Restoration  
FW 435. *Wildlife in Agricultural Ecosystems  
GEOG 450. Land Use in the American West  
PS 449. *Topics in Comparative Politics  
PS 477. International Environmental Politics and Policy  
RNG 421. Wildland Restoration and Ecology  
RNG 490. Rangeland Management Planning  
SUS 304. *Sustainability Assessment  
SUS 350. *Sustainable Communities | Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
| General Ecology | BI 370. Ecology  
BOT 341. Plant Ecology  
FES 240. *Forest Biology  
FES 341. Forest Ecology | Available Online  
Available Online  
Available Online  
Available Online |
| GIS | FE 257. GIS and Forest Engineering Applications  
FW 303. Survey of GIS in Natural Resource  
GEOG 360. Geographic Information Systems & Theory  
CROP/HORT 414. Information Systems in Agriculture | Available Online  
Available Online  
Available Online  
Available Online |
| Managing Natural Resources for the Future | NR 201. Managing Natural Resources for the Future | NAT 201 |
| Mathematics | MTH 112. *Elementary Functions  
MTH 241. *Calculus for Management and Social Science  
MTH 245. *Mathematics for Management, Life & Social Sciences  
MTH 251. *Differential Calculus | MTH 112  
MTH 241  
MTH 245  
MTH 251 | Available Online  
Available Online  
Available Online  
Available Online |
|---|---|---|---|
| Biological/Physical Science Measurements | OR | Available Online  
Available Online  
Available Online  
Available Online |
| Social Science or Measurements | FES 422. Research Methods in Social Science | Available Online  
Available Online  
Available Online  
Available Online |
| Natural Resource Decision Making | NR 455. Natural Resource Decision Making | Available Online |
| Natural Resource Policy | AEC 454. Rural Development Economics & Policy  
FOR 460. *Forest Policy  
FOR 462. Natural Resource Policy and Law  
GEOG 340/SOIL 355. *Introduction to Water Science and Policy  
PS 475. Environmental Politics and Policy  
PS 477. International Environmental Politics and Policy | Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
AEC 454. Rural Development Economics & Policy  
FOR 330. Forest Conservation Economics | Available Online  
Available Online  
Available Online  
Available Online |
| Society & Natural Resources | ANTH 110. *Introduction to Cultural Anthropology  
FES 251. Recreation Resource Management  
FES 354. Communities, Natural Areas & Sustainable Tourism  
FES 355. Management for Multiple Resource Values  
GEOG 240. *Climate Change, Water, and Society | Available Online  
Available Online  
Available Online  
Available Online  
Available Online |
| Soil Science | CSS 205. *Soil Science  
or CSS 305. Principles of Soil Science  
or SOIL 205. and SOIL/FOR 206. *Forest Soils Lab for SOIL 205 | SOIL 205 |
| Statistics | ST 201. Principles of Statistics  
ST 351. Introduction to Statistical Methods | MTH 243 |
| Vegetation ID | BOT 321. Plant Systematics  
BOT 414. Agrostology  
BOT 425. Flora of the Pacific Northwest  
FES 241. Dendrology  
HORT 226. Landscape Plant Mat I: Decid Hardwoods & Conifers  
HORT 228. Landscape Plant Mat II: Spring Flower Trees & Shrubs  
RNG 353. Wildland Plant Identification | FOR 241  
Available Online  
Available Online  
Available Online  
Available Online |
| Water Science | FE 430. Watershed Processes  
FW 326. Integrated Watershed Management  
OC 201. *Oceanography  
OC 332. Coastal Oceanography  
RNG 355. Desert Watershed Management | Available Online  
Available Online  
Available Online |

Natural Resources students must also complete coursework from seven different “breadth” areas (one course per block) as well as an option within the major. The entire degree can be completed online. In addition to courses that fulfill the Natural Resources major requirements, students should be completing courses to fulfill [OSU's Baccalaureate Core](#) (general education curriculum on page 3). Major requirements that fulfill Baccalaureate Core are marked with an asterisk (*).

**TBCC Advising:** John Sousa  
503-842-8222 x 1145  
johnsousa@tillamookbaycc.edu

**OSU Contact:** College of Forestry Student Services  
541-737-1594  
studyforestry@oregonstate.edu

Updated 1/2/18 NK
Tillamook Bay Community College courses that fulfill OSU’s Baccalaureate Core requirements:  

<table>
<thead>
<tr>
<th>OSU Baccalaureate Core (Complete one course from each category)</th>
<th>OSU Course</th>
<th>Transfer Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Writing I</td>
<td>WR 121 English Composition</td>
<td>WR 121</td>
</tr>
<tr>
<td>Writing II</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Speech</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Mathematics</td>
<td>MTH 105 or higher</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Fitness</td>
<td>HHS 231 Lifetime Fitness for Health</td>
<td>HE 295 PE 295</td>
</tr>
<tr>
<td>Physical Science with Lab</td>
<td>Soil Science</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Biological Science with Lab</td>
<td>Biology</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Additional Science with Lab</td>
<td>Earth Science</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Western Culture</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Cultural Diversity</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Literature &amp; Arts</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Social Processes &amp; Institutions</td>
<td>ECON 201 recommended</td>
<td>Fulfilled by major requirements</td>
</tr>
<tr>
<td>Difference, Power, Discrimination</td>
<td>Choose one course from link above</td>
<td></td>
</tr>
<tr>
<td>Contemporary Global Issues</td>
<td>Upper-division course required</td>
<td>Must be completed at OSU</td>
</tr>
<tr>
<td>Science, Technology, Society</td>
<td>Upper-division course required</td>
<td>Must be completed at OSU</td>
</tr>
<tr>
<td>Writing Intensive Course – major specific</td>
<td>Upper-division course required</td>
<td>Must be completed at OSU</td>
</tr>
</tbody>
</table>